

Table 1C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Demographic Indicators
Children Aged < 5 Years (2,3)

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Total Records	Number
Individual Children	260,806
Total Records (All Visits)	407,952

Source of Data	Number	%
WIC	260,806	100.0
EPSDT	0	0.0
Child Health-MCH	0	0.0
Child Health-HMO	0	0.0
Headstart	0	0.0
School Health	0	0.0
Other	0	0.0
Total	260,806	100.0
<i>Excluded Unknown:</i> 0 0.0 %		

Race/Ethnic Distribution	Number	%
White, Not Hispanic	135,295	51.9
Black, Not Hispanic	66,571	25.5
Hispanic	37,451	14.4
American Indian/Alaska Native	657	0.3
Asian/Pacific Islander	3,715	1.4
Multiple Races	17,039	6.5
All Other	0	0.0
Total	260,728	100.0
<i>Excluded Unknown:</i> 78 * %		

Age Distribution (4)	Number	%
0 - 5 Months	59,029	22.6
6 - 11 Months	26,668	10.2
12 - 23 Months	58,553	22.5
24 - 35 Months	44,870	17.2
3 - 4 Years	71,686	27.5
Total	260,806	100.0

% of Poverty Level	Number	%
0-50	105,134	40.9
51-100	80,128	31.2
101-130	27,270	10.6
131-150	12,922	5.0
151-185	14,026	5.5
186-200	1,081	0.4
Over 200	2,121	0.8
Adjunctive Eligibility	14,170	5.5
Total	256,852	100.0
<i>Excluded Unknown:</i> 3,954 1.5 %		

Program Participation	Number	%
WIC	260,805	100.0
FoodStamps	257,195	53.1
Medicaid	256,293	78.5
TANF	257,331	15.0
<i>Excluded Unknown:</i>		
WIC	1	*
FoodStamps	3,611	1.4
Medicaid	4,513	1.7
TANF	3,475	1.3

Migrant Status	Number	%
Yes	4,112	1.6
No	256,693	98.4
Total	260,805	100.0
<i>Excluded Unknown:</i> 1 * %		

- (1) Reporting period is January 1 through December 31.
(2) Analyses based on one record per child.
(3) Excludes records with unknown data or errors.
(4) Records rejected if date of birth and date of visit unknown.
* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 2C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Health Indicators
Children Aged < 5 Years ⁽²⁾

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Summary of Health Indicators ⁽³⁾					
			Michigan Prevalence		National Prevalence (Prior Year)
			Number	%	Number %
Birthweight (4)					
Low	< 2500 g		61,144	9.4	1,909,620 9.0
High	> 4000 g		61,144	6.8	1,909,620 6.4
Height and Weight					
Short Stature (5)	< 5th		255,398	5.6	7,107,000 6.0
	< 10th		255,398	10.3	7,107,000 10.9
Underweight (6)	< 5th		255,398	3.6	7,107,000 4.5
	< 10th		255,398	6.5	7,107,000 7.7
Obese (6) ≥ 2 Yrs Overweight (6)	≥ 95th		255,398	12.8	7,107,000 14.1
	85th - < 95th		114,489	16.6	2,943,996 16.5
	≥ 95th		114,489	13.7	2,943,996 14.8
Anemia (7)					
Low Hb			166,864	15.0	4,543,993 15.2
Low Hct			23	*	572,674 11.2
Low Hb/Hct			166,887	15.0	4,916,523 14.9
Breastfeeding (8)					
Ever Breastfed			62,038	53.5	1,719,083 62.0
Breastfed At Least 6 Months			44,879	18.5	848,761 26.9
Breastfed At Least 12 Months			42,347	7.8	1,038,203 19.1
Smoking in Household					
≤ 2 Hours TV Viewing/ Day (9)			250,058	7.9	3,277,352 10.9
			117,932	81.6	744,697 74.8

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

(8) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(9) Children aged 2 years and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 3C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Breastfeeding Indicators
Children Aged < 5 Years ⁽²⁾

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Summary of Breastfeeding Indicators ⁽³⁾				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Breastfeeding Duration ^(4,5)				
Ever Breastfed	62,038	53.5	1,719,083	62.0
Breastfed 1+ Weeks	56,141	50.2	1,438,863	58.6
Breastfed 2+ Weeks	45,760	47.6	1,130,089	55.9
Breastfed 3+ Weeks	39,602	43.7	926,949	53.1
Breastfed 4+ Weeks	36,379	40.7	809,718	50.3
Breastfed 6+ Weeks	34,065	35.1	685,195	44.3
Breastfed 2+ Months	34,713	32.1	641,174	39.1
Breastfed 3+ Months	38,070	27.2	678,922	34.2
Breastfed 4+ Months	42,367	23.2	757,778	30.7
Breastfed 5+ Months	46,637	20.1	850,698	27.9
Breastfed 6+ Months	44,879	18.5	848,761	26.9
Breastfed 9+ Months	37,384	12.0	959,723	21.4
Breastfed 12+ Months	42,347	7.8	1,038,203	19.1
Breastfed 18+ Months	31,849	2.1	785,855	10.6
Exclusive Breastfeeding ⁽⁶⁾				
Exclusively Breastfed at Least 3 Months	33,662	11.0	144,421	12.9
Exclusively Breastfed at Least 6 Months	38,570	4.9	206,416	7.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.

(5) It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ week of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 4C
2009 Pediatric Nutrition Surveillance ⁽¹⁾

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Michigan
Comparison of Racial and Ethnic Distribution by Contributor to Nation
Children Aged < 5 Years ⁽²⁾

Comparison of Racial and Ethnic Distribution								
Contributor	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
Michigan	260,806	51.9	25.5	14.4	0.3	1.4	6.5	0.0
Nation (Prior Year)	8,164,612	31.7	18.8	41.0	1.0	2.6	2.1	2.7

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 5C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Comparison of Age Distribution by Contributor to Nation
Children Aged < 5 Years ⁽²⁾

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Comparison of Age Distribution				
Contributor	Number Included in Analysis (3,4)	0 - 11 Months %	12 - 23 Months %	24 - 59 Months %
Michigan	260,806	32.9	22.5	44.7
Nation (Prior Year)	8,164,612	35.8	23.0	41.3

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Records rejected if date of birth and date of visit unknown.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 6C
2009 Pediatric Nutrition Surveillance (1)
Michigan

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Comparison of Growth and Anemia Indicators by Contributor to Nation
Children Aged < 5 Years (2)

Comparison of Growth and Anemia Indicators (3)												
Contributor	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Over- weight (6)				
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th- <95th	% ≥95th	Number	%
Michigan	61,144	9.4	6.8	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0
Nation (Prior Year)	1,909,620	9.0	6.4	7,107,000	6.0	4.5	14.1	2,943,996	16.5	14.8	4,916,523	14.9

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and \geq 95th percentile category identifies obese children..

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 7C
2009 Pediatric Nutrition Surveillance (1)
Michigan

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Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to Nation (2)
Children Aged < 5 Years (3)

Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4)								
	Breastfeeding (5)			Exclusive Breastfeeding (6)			≤2 Hours TV Viewing/Day (7)	Smoking in Household
Contributor	Number	% Ever Breastfed	Number % Breastfed At Least 6 Months	Number % Breastfed At Least 12 Months	Number % Breastfed At Least 3 Months	Number % Breastfed At Least 6 Months	Number %	Number %
Michigan	62,038	53.5	44,879 18.5	42,347 7.8	33,662 11.0	38,570 4.9	117,932 81.6	250,058 7.9
Nation (Prior Year)	1,719,083	62.0	848,761 26.9	1,038,203 19.1	144,421 12.9	206,416 7.2	744,697 74.8	3,277,352 10.9

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.



Table 8C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Growth and Anemia Indicators by Race/Ethnicity or Age
Children Aged < 5 Years ⁽²⁾

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Growth and Anemia Indicators by Race/Ethnicity or Age ⁽³⁾												
	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
		Low %	High %		Short Stature (5)	Under- weight (6)	Obese (6)		≥ 2 Yrs Overweight (6)			
	Number	<2500 g	>4000 g	Number	% <5th	% <5th	% ≥95th	Number	% 85th-<95th	% ≥95th	Number	%
Race/Ethnicity												
White, Not Hispanic	31,582	8.1	8.2	132,911	5.5	3.3	12.0	59,598	16.8	13.0	87,069	10.9
Black, Not Hispanic	16,955	13.3	3.7	64,803	6.2	5.0	11.6	27,524	14.5	11.0	40,616	24.4
Hispanic	7,628	6.4	7.9	36,698	5.0	2.4	17.4	18,096	18.7	19.6	25,250	13.5
American Indian/Alaska Native	175	8.6	12.6	626	6.5	2.6	15.3	272	22.1	17.3	397	9.8
Asian/Pacific Islander	883	10.0	3.6	3,634	6.3	5.9	9.5	1,580	13.6	11.7	2,357	18.2
Multiple Races	3,882	8.9	7.2	16,668	5.2	2.9	14.2	7,419	17.6	14.8	11,194	15.2
All Other	39	*	*	58	*	*	*	0	*	*	4	*
Total	61,144	9.4	6.8	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0
Age												
0 - 11 Months	-	-	-	82,831	8.4	5.5	9.7	-	*	*	9,254	17.6
12 - 23 Months	-	-	-	58,078	5.6	2.5	15.5	-	*	*	63,203	16.8
24 - 35 Months	-	-	-	44,221	3.9	2.8	12.3	44,221	16.0	12.3	37,290	16.5
36 - 47 Months	-	-	-	37,612	3.4	3.1	14.2	37,612	16.4	14.2	32,603	12.5
48 - 59 Months	-	-	-	32,656	3.1	2.7	15.0	32,656	17.5	15.0	24,537	10.5
Total	-	-	-	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and \geq 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 9C
2009 Pediatric Nutrition Surveillance (1)
Michigan

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Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (2)
Children Aged < 5 Years (3)

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age (4)										
	Breastfeeding (5)						<2 Hours TV/Video Viewing/Day (6)		Smoking in Household	
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	32,100	59.2	23,210	20.5	22,201	8.9	60,916	86.8	128,931	8.1
Black, Not Hispanic	17,117	39.0	12,038	12.2	10,598	4.5	28,348	69.6	63,984	9.9
Hispanic	7,787	61.0	5,813	24.4	5,817	9.9	19,039	82.5	36,452	3.5
American Indian/Alaska Native	178	53.9	107	14.0	85	*	254	83.1	568	9.2
Asian/Pacific Islander	902	61.8	642	29.3	638	15.0	1,634	75.9	3,563	2.6
Multiple Races	3,907	52.3	3,030	14.7	3,007	6.3	7,741	83.3	16,503	9.9
All Other	47	*	39	*	1	*	0	*	57	*
Total	62,038	53.5	44,879	18.5	42,347	7.8	117,932	81.6	250,058	7.9
Age										
0 - 11 Months	-	-	-	-	-	-	0	*	83,476	6.2
12 - 23 Months	-	-	-	-	-	-	0	*	56,195	8.2
24 - 35 Months	-	-	-	-	-	-	51,119	84.8	43,234	8.6
36 - 47 Months	-	-	-	-	-	-	36,816	79.3	36,851	9.2
48 - 59 Months	-	-	-	-	-	-	29,997	79.0	30,302	9.8
Total	62,038	53.5	44,879	18.5	42,347	7.8	117,932	81.6	250,058	7.9

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) Children aged 2 years and older included in the analysis

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 10C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Racial and Ethnic Distribution
Children Aged < 5 Years ⁽²⁾

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Summary of Trends in Racial and Ethnic Distribution								
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other / Unknown %
2009	260,806	51.9	25.5	14.4	0.3	1.4	6.5	0.0
2008	247,549	52.9	25.9	13.8	0.3	1.5	5.5	0.0
2007	237,338	52.8	26.5	13.9	0.3	1.5	4.9	0.0
2006	232,137	53.1	26.5	13.7	0.4	1.6	4.7	0.0
2005	229,602	49.1	24.7	11.4	0.5	1.5	2.1	10.8
2004	227,623	57.7	28.6	11.5	0.7	1.5	0.0	0.0
2003	222,370	57.7	29.1	11.1	0.7	1.4	0.0	0.0
2002	223,043	58.0	29.6	10.6	0.6	1.3	0.0	0.0
2001	228,141	57.3	30.6	10.3	0.6	1.2	0.0	0.0
2000	222,687	57.2	31.5	9.5	0.6	1.2	0.0	0.0
1999	322,928	58.9	31.0	8.2	0.7	1.2	0.0	0.0
1998	222,437	59.5	31.2	7.5	0.6	1.2	0.0	0.0
1997	223,436	58.9	32.3	7.0	0.6	1.2	0.0	0.0
1996	219,085	58.5	32.9	6.9	0.6	1.2	0.0	0.0
1995	217,109	59.1	32.8	6.4	0.6	1.0	0.0	0.0
1994	79,477	60.1	32.8	5.5	0.7	0.9	0.0	0.0
1993	2	*	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with errors.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 11C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Age Distribution
Children Aged < 5 Years (2)

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Summary of Trends in Age Distribution (3)				
Year	Number Included in Analysis (4)	0-11 Months %	12-23 Months %	24-59 Months %
2009	260,806	32.9	22.5	44.7
2008	247,549	35.5	21.7	42.8
2007	237,338	36.4	21.5	42.1
2006	232,137	36.7	21.2	42.1
2005	229,602	36.3	21.3	42.4
2004	227,623	36.1	20.9	43.0
2003	222,370	36.0	20.7	43.2
2002	223,043	35.8	21.2	43.0
2001	228,141	37.9	20.4	41.7
2000	222,687	38.3	20.2	41.5
1999	322,928	36.1	21.3	42.6
1998	222,437	38.4	19.8	41.7
1997	223,436	37.8	19.8	42.4
1996	219,085	36.9	20.6	42.5
1995	217,109	38.3	20.8	40.8
1994	79,477	38.0	22.6	39.5
1993	2	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Records rejected if date of birth and date of visit unknown.

(4) Excludes records with unknown data or errors.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 12C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Growth and Anemia Indicators
Children Aged < 5 Years ⁽²⁾

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Summary of Trends in Growth and Anemia Indicators ⁽³⁾												
Year	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low	High		Short Stature (5)	Under- weight (6)	Obese (6)	>_2 Yrs Overweight (6)					
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th-<95th	% ≥95th	Number	%
2009	61,144	9.4	6.8	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0
2008	57,235	9.5	7.2	240,409	6.9	3.8	12.9	103,523	16.6	13.9	143,054	15.7
2007	56,363	9.6	7.2	230,562	6.8	4.0	12.5	97,905	16.4	13.7	139,304	14.6
2006	55,559	9.8	7.3	225,665	6.8	4.1	12.4	95,780	16.2	13.3	135,168	12.9
2005	53,632	9.8	7.8	222,271	6.7	4.2	12.3	95,227	15.6	12.7	136,536	14.0
2004	52,604	9.6	8.0	221,604	6.8	4.0	13.0	95,863	16.1	13.2	136,704	13.1
2003	50,792	9.4	8.3	216,362	6.9	4.3	12.7	93,962	16.1	12.9	134,250	13.1
2002	49,439	9.5	8.2	216,350	7.0	4.6	12.2	94,065	15.7	12.4	139,155	13.0
2001	55,685	9.7	8.5	221,698	7.7	4.8	11.8	93,453	15.6	12.3	164,937	13.8
2000	55,392	8.9	8.6	216,687	7.5	4.8	11.7	90,754	15.5	12.0	160,182	14.6

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 12C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Growth and Anemia Indicators
Children Aged < 5 Years ⁽²⁾

Page: 13
Run Date: 4/13/2010

Summary of Trends in Growth and Anemia Indicators ⁽³⁾												
Year	Birthweight (4)			Height and Weight							Anemia Low Hb/Hct (7)	
	Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th-<95th	% ≥95th	Number	%
1999	72,792	8.9	8.9	314,350	7.3	5.0	11.0	135,007	14.8	11.0	208,807	15.1
1998	55,572	9.4	8.8	215,365	7.5	5.5	10.3	90,760	14.3	10.1	168,297	14.7
1997	55,789	9.3	9.0	216,856	7.6	5.2	10.6	92,893	14.5	10.1	171,694	15.7
1996	54,558	9.3	8.8	213,065	7.8	5.6	10.1	91,581	14.5	9.7	168,939	16.1
1995	56,302	9.4	8.9	211,220	8.4	5.7	9.6	87,224	14.2	9.6	165,448	16.9
1994	27,227	9.4	9.3	77,538	8.5	5.0	10.4	30,925	15.0	10.2	58,857	15.3
1993	0	*	*	1	*	*	*	1	*	*	2	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 13C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Breastfeeding
Children Aged < 5 Years ⁽²⁾

Page: 14
Run Date: 4/13/2010

Summary of Trends in Breastfeeding ⁽³⁾						
Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2009	62,038	53.5	44,879	18.5	42,347	7.8
2008	60,080	52.5	40,792	15.8	37,776	12.0
2007	59,326	51.8	43,476	15.3	38,593	12.4
2006	58,676	51.2	41,890	15.8	36,303	12.9
2005	57,291	50.9	42,538	15.5	36,578	12.2
2004	55,961	48.7	43,459	14.6	35,951	11.9
2003	53,953	48.0	41,545	14.7	34,040	11.8
2002	52,433	46.7	41,779	13.6	34,975	10.7
2001	58,927	45.2	43,743	12.3	35,033	9.6
2000	58,579	43.3	42,280	12.4	33,524	9.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 13C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Summary of Trends in Breastfeeding
Children Aged < 5 Years ⁽²⁾

Page: 15
Run Date: 4/13/2010

Summary of Trends in Breastfeeding ⁽³⁾						
Year	Breastfeeding (4)					
	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
1999	74,508	43.3	51,954	11.9	41,048	8.9
1998	55,523	42.8	40,643	11.2	32,201	8.7
1997	55,724	41.0	40,425	10.3	32,679	8.2
1996	52,980	39.5	38,986	10.3	33,192	7.6
1995	52,745	38.4	39,431	10.0	32,111	7.7
1994	25,354	39.7	19,285	9.3	15,452	6.7
1993	0	*	0	*	1	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 14C
2009 Pediatric Nutrition Surveillance
Michigan
Children Aged < 5 Years

Page: 16
Run Date: 4 / 13 / 10

This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.

Table 15C
2009 Pediatric Nutrition Surveillance
Michigan
Children Aged < 5 Years

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Run Date: 4 / 13 / 10

This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.

Table 16C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Growth Indicators by Race/Ethnicity and Age
Children Aged < 5 Years ⁽²⁾

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Run Date: 4/13/2010

Growth Indicators by Race/Ethnicity and Age ⁽³⁾								
	Short Stature (4)		Underweight (5)		Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	Number	% <5th	Number	% ≥ 95th	Number	% 85th - <95th % ≥95th
White, Not Hispanic								
0 - 11 Months	42,861	7.9	42,861	5.4	42,861	8.9	0	0.0
12 - 23 Months	30,452	5.5	30,452	2.4	30,452	14.6	0	0.0
24 - 59 Months	59,598	3.7	59,598	2.3	59,598	13.0	59,598	16.8
Total	132,911	5.5	132,911	3.3	132,911	12.0	59,598	16.8
Black, Not Hispanic								
0 - 11 Months	22,744	10.5	22,744	6.2	22,744	9.9	0	0.0
12 - 23 Months	14,535	5.7	14,535	3.3	14,535	15.2	0	0.0
24 - 59 Months	27,524	2.9	27,524	4.9	27,524	11.0	27,524	14.5
Total	64,803	6.2	64,803	5.0	64,803	11.6	27,524	14.5
Hispanic								
0 - 11 Months	10,473	6.8	10,473	4.6	10,473	12.5	0	0.0
12 - 23 Months	8,129	5.8	8,129	1.5	8,129	18.7	0	0.0
24 - 59 Months	18,096	3.6	18,096	1.5	18,096	19.6	18,096	18.7
Total	36,698	5.0	36,698	2.4	36,698	17.4	18,096	18.7
American Indian/Alaska Native								
0 - 11 Months	224	10.3	224	3.6	224	9.8	0	0.0
12 - 23 Months	130	6.2	130	1.5	130	20.8	0	0.0
24 - 59 Months	272	3.7	272	2.2	272	17.3	272	22.1
Total	626	6.5	626	2.6	626	15.3	272	22.1

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 16C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan
Growth Indicators by Race/Ethnicity and Age
Children Aged < 5 Years ⁽²⁾

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Growth Indicators by Race/Ethnicity and Age ⁽³⁾								
	Short Stature (4)		Underweight (5)		Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	Number	% <5th	Number	% ≥ 95th	Number	% 85th - <95th % ≥95th
Asian/Pacific Islander								
0 - 11 Months	1,218	7.1	1,218	6.7	1,218	7.0	0	0.0 0.0
12 - 23 Months	836	6.5	836	4.3	836	9.1	0	0.0 0.0
24 - 59 Months	1,580	5.6	1,580	6.1	1,580	11.7	1,580	13.6 11.7
Total	3,634	6.3	3,634	5.9	3,634	9.5	1,580	13.6 11.7
Multiple Races								
0 - 11 Months	5,256	7.9	5,256	4.5	5,256	10.8	0	0.0 0.0
12 - 23 Months	3,993	5.0	3,993	2.0	3,993	17.7	0	0.0 0.0
24 - 59 Months	7,419	3.4	7,419	2.2	7,419	14.8	7,419	17.6 14.8
Total	16,668	5.2	16,668	2.9	16,668	14.2	7,419	17.6 14.8
All Other/Unknown								
0 - 11 Months	55	*	55	*	55	*	0	* *
12 - 23 Months	3	*	3	*	3	*	0	* *
24 - 59 Months	0	*	0	*	0	*	0	* *
Total	58	*	58	*	58	*	0	* *
Total All Race/Ethnic Groups								
0 - 11 Months	82,831	8.4	82,831	5.5	82,831	9.7	0	0.0 0.0
12 - 23 Months	58,078	5.6	58,078	2.5	58,078	15.5	0	0.0 0.0
24 - 59 Months	114,489	3.5	114,489	2.9	114,489	13.7	114,489	16.6 13.7
Total	255,398	5.6	255,398	3.6	255,398	12.8	114,489	16.6 13.7

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 17C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Anemia Indicators by Race/Ethnicity and Age
Children Aged < 5 Years (2)

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Anemia Indicators by Race/Ethnicity and Age (3, 4)					
	Anemia Low Hb/Hct %			Anemia Low Hb/Hct %	
	Number			Number	
White, Not Hispanic			Asian/Pacific Islander		
6 - 11 Months	4,698	14.1	6 - 11 Months	142	22.5
12 - 17 Months	20,088	14.6	12 - 17 Months	566	20.7
18 - 23 Months	13,399	10.7	18 - 23 Months	372	15.1
24 - 35 Months	19,534	11.2	24 - 35 Months	498	20.9
36 - 59 Months	29,350	7.9	36 - 59 Months	779	15.4
Total	87,069	10.9	Total	2,357	18.2
Black, Not Hispanic			Multiple Races		
6 - 11 Months	2,608	24.3	6 - 11 Months	581	16.7
12 - 17 Months	9,051	25.7	12 - 17 Months	2,671	18.1
18 - 23 Months	6,218	25.1	18 - 23 Months	1,769	15.3
24 - 35 Months	8,910	28.9	24 - 35 Months	2,537	16.2
36 - 59 Months	13,829	20.4	36 - 59 Months	3,636	12.0
Total	40,616	24.4	Total	11,194	15.2
Hispanic			All Other/Unknown		
6 - 11 Months	1,205	16.9	6 - 11 Months	2	*
12 - 17 Months	5,014	17.7	12 - 17 Months	1	*
18 - 23 Months	3,907	13.3	18 - 23 Months	1	*
24 - 35 Months	5,722	15.0	24 - 35 Months	0	*
36 - 59 Months	9,402	9.9	36 - 59 Months	0	*
Total	25,250	13.5	Total	4	*
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	18	*	6 - 11 Months	9,254	17.6
12 - 17 Months	85	*	12 - 17 Months	37,476	18.0
18 - 23 Months	61	*	18 - 23 Months	25,727	15.0
24 - 35 Months	89	*	24 - 35 Months	37,290	16.5
36 - 59 Months	144	11.1	36 - 59 Months	57,140	11.6
Total	397	9.8	Total	166,887	15.0

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 18C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

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Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity
Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾													
Race/Ethnicity and Year		Birthweight ⁽⁴⁾			Height and Weight							Anemia Low Hb/Hct (7)	
		Low	High	Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)						
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th -	% <95th ≥ 95th	Number	%
White, Not Hispanic	2009	31,582	8.1	8.2	132,911	5.5	3.3	12.0	59,598	16.8	13.0	87,069	10.9
	2008	30,591	8.1	8.6	128,012	6.6	3.6	12.1	54,822	16.8	13.2	77,466	11.3
	2007	30,193	8.3	8.6	122,236	6.5	3.7	11.8	51,648	16.6	12.8	75,451	10.8
	2006	29,753	8.3	8.6	120,274	6.5	3.9	11.6	51,083	16.3	12.5	73,889	9.4
	2005	20,565	8.3	9.1	109,580	5.9	3.7	11.9	49,196	15.9	12.2	72,852	10.4
	2004	31,141	8.5	9.4	128,090	6.5	3.6	12.5	54,702	16.6	13.0	79,361	10.2
	2003	29,794	8.2	9.4	125,251	6.5	3.8	12.2	53,935	17.0	13.0	77,964	10.2
	2002	29,351	8.1	9.6	125,739	6.7	4.1	11.9	54,228	16.4	12.5	80,477	9.8
	2001	31,616	8.2	10.0	127,624	7.3	4.4	11.4	54,188	16.1	12.5	95,574	10.7
	2000	31,232	7.3	10.3	124,531	6.9	4.5	11.3	52,269	16.0	12.3	92,632	11.1
Black, Not Hispanic	2009	16,955	13.3	3.7	64,803	6.2	5.0	11.6	27,524	14.5	11.0	40,616	24.4
	2008	15,726	13.5	4.2	62,359	7.8	4.8	12.2	25,987	14.6	11.6	35,668	25.2
	2007	15,488	13.5	4.2	60,646	7.9	5.2	11.5	25,042	14.2	11.5	35,047	23.9
	2006	15,319	14.2	4.2	59,554	8.0	5.3	11.5	24,652	14.0	11.0	33,317	21.3
	2005	10,733	14.4	5.1	54,726	7.3	5.0	11.8	24,285	13.4	10.6	34,245	22.1
	2004	14,933	13.3	5.1	63,141	7.5	5.0	12.6	27,132	14.2	11.0	38,016	20.3
	2003	14,534	13.0	5.7	62,643	7.5	5.4	12.4	27,191	13.7	10.7	38,290	20.4
	2002	14,426	13.4	5.2	63,663	7.4	5.8	11.5	27,738	13.7	10.4	40,434	20.5
	2001	17,610	13.4	5.5	67,427	8.4	5.7	11.3	28,090	13.9	10.0	49,221	20.5
	2000	17,755	12.4	5.5	67,773	8.4	5.7	11.2	28,354	13.6	9.8	49,548	21.8

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 18C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

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Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity
Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾													
Race/Ethnicity and Year		Birthweight ⁽⁴⁾			Height and Weight							Anemia Low Hb/Hct (7)	
		Low	High	Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)						
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th -	% <95th	% ≥ 95th	Number
Hispanic	2009	7,628	6.4	7.9	36,698	5.0	2.4	17.4	18,096	18.7	19.6	25,250	13.5
	2008	6,850	6.9	8.4	32,990	6.4	2.8	17.4	15,554	19.1	20.1	19,299	15.0
	2007	6,798	6.9	7.9	31,988	6.3	2.7	17.0	14,753	19.4	20.3	19,331	12.8
	2006	6,648	7.1	8.2	30,855	6.3	2.6	16.7	13,948	19.3	19.7	19,109	11.2
	2005	4,771	7.0	8.7	25,441	5.8	2.7	16.9	12,253	18.5	18.2	16,744	12.3
	2004	5,338	6.2	8.4	25,541	6.9	3.1	16.8	12,076	17.8	18.3	16,436	10.5
	2003	5,323	6.5	9.5	23,949	7.3	3.4	16.1	10,961	18.0	17.9	15,245	10.2
	2002	4,683	6.6	8.9	22,822	7.2	3.8	15.8	10,328	17.4	17.2	15,636	11.0
	2001	5,503	6.4	9.1	22,697	7.8	4.0	15.4	9,476	17.2	17.5	17,221	12.1
	2000	5,475	7.3	8.8	20,455	7.8	4.2	14.6	8,396	17.8	17.3	15,149	12.4
American Indian/Alaska Native	2009	175	8.6	12.6	626	6.5	2.6	15.3	272	22.1	17.3	397	9.8
	2008	126	8.7	11.9	704	6.3	2.7	16.1	330	17.6	16.7	474	12.0
	2007	192	8.9	14.6	774	4.8	4.4	15.1	359	17.0	16.7	459	12.0
	2006	157	5.7	14.6	802	5.2	4.6	17.1	395	18.0	17.2	537	10.2
	2005	163	8.0	14.1	1,076	5.2	3.1	19.0	514	16.9	20.8	748	14.4
	2004	395	7.8	9.6	1,557	6.4	2.9	17.1	663	22.9	17.0	983	11.6
	2003	347	6.3	12.1	1,437	5.8	2.9	15.3	631	21.1	15.8	930	10.1
	2002	320	5.6	12.8	1,377	5.5	2.8	15.6	602	19.8	15.8	910	8.4
	2001	327	7.6	12.8	1,367	6.2	2.9	16.6	610	24.1	15.1	1,005	8.8
	2000	325	5.5	12.6	1,408	5.4	3.4	17.5	637	20.4	17.4	1,027	11.3

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 18C
2009 Pediatric Nutrition Surveillance ⁽¹⁾
Michigan

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Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity
Children Aged < 5 Years ⁽²⁾

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾													
Race/Ethnicity and Year		Birthweight ⁽⁴⁾			Height and Weight							Anemia Low Hb/Hct (7)	
		Low		High	Short Stature (5)		Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)				
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th - <95th	% ≥ 95th	Number	%
Asian/Pacific Islander	2009	883	10.0	3.6	3,634	6.3	5.9	9.5	1,580	13.6	11.7	2,357	18.2
	2008	820	7.0	3.3	3,689	7.5	5.9	11.2	1,665	13.5	13.1	2,150	17.9
	2007	787	8.1	4.7	3,536	5.9	5.5	10.2	1,594	15.0	11.4	1,992	12.9
	2006	829	9.7	4.2	3,675	7.1	6.0	11.0	1,595	13.0	11.7	2,091	12.7
	2005	645	10.4	5.3	3,214	6.8	7.2	11.4	1,424	12.2	12.4	2,059	13.6
	2004	797	7.4	6.5	3,273	6.8	5.2	11.4	1,288	13.7	12.3	1,906	12.4
	2003	794	7.9	4.4	3,082	7.2	5.3	12.1	1,244	15.3	13.2	1,821	13.4
	2002	659	8.6	5.0	2,749	7.8	4.3	11.5	1,169	15.7	13.0	1,698	12.6
	2001	628	8.6	5.7	2,580	7.6	4.7	11.1	1,088	14.9	13.1	1,913	14.1
	2000	605	6.0	4.6	2,520	9.1	4.6	10.8	1,098	15.7	12.1	1,826	12.5
Multiple Races	2009	3,882	8.9	7.2	16,668	5.2	2.9	14.2	7,419	17.6	14.8	11,194	15.2
	2008	3,122	9.0	7.8	12,654	6.6	3.5	13.8	5,165	17.7	15.0	7,997	17.9
	2007	2,905	10.0	6.7	11,382	6.3	3.5	13.9	4,509	16.7	15.3	7,024	14.8
	2006	2,852	8.8	8.5	10,495	6.0	3.7	13.7	4,105	17.3	15.4	6,218	14.2
	2005	1,422	8.6	7.7	4,597	6.9	3.3	13.5	1,858	17.2	15.7	2,640	15.1
	2004	0	*	*	0	*	*	*	0	*	*	0	*
	2003	0	*	*	0	*	*	*	0	*	*	0	*
	2002	0	*	*	0	*	*	*	0	*	*	0	*
	2001	0	*	*	0	*	*	*	0	*	*	0	*
	2000	0	*	*	0	*	*	*	0	*	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 18C
2009 Pediatric Nutrition Surveillance (1)
Michigan

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Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

Summary of Trends in Growth and Anemia Indicators by Race/Ethnicity ⁽³⁾													
Race/Ethnicity and Year		Birthweight ⁽⁴⁾			Height and Weight						Anemia Low Hb/Hct (7)		
		Low	High	Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)						
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% ≥ 95th	Number	% 85th - <95th			% ≥ 95th
All Other/Unknown	2009	39	*	*	58	*	*	*	0	*	*	4	*
	2008	0	*	*	1	*	*	*	0	*	*	0	*
	2007	0	*	*	0	*	*	*	0	*	*	0	*
	2006	1	*	*	10	*	*	*	2	*	*	7	*
	2005	15,333	9.6	7.5	23,637	9.6	5.8	9.5	5,697	15.5	11.8	7,248	15.0
	2004	0	*	*	2	*	*	*	2	*	*	2	*
	2003	0	*	*	0	*	*	*	0	*	*	0	*
	2002	0	*	*	0	*	*	*	0	*	*	0	*
	2001	1	*	*	3	*	*	*	1	*	*	3	*
	2000	0	*	*	0	*	*	*	0	*	*	0	*
Total All Race/Ethnic Groups	2009	61,144	9.4	6.8	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0
	2008	57,235	9.5	7.2	240,409	6.9	3.8	12.9	103,523	16.6	13.9	143,054	15.7
	2007	56,363	9.6	7.2	230,562	6.8	4.0	12.5	97,905	16.4	13.7	139,304	14.6
	2006	55,559	9.8	7.3	225,665	6.8	4.1	12.4	95,780	16.2	13.3	135,168	12.9
	2005	53,632	9.8	7.8	222,271	6.7	4.2	12.3	95,227	15.6	12.7	136,536	14.0
	2004	52,604	9.6	8.0	221,604	6.8	4.0	13.0	95,863	16.1	13.2	136,704	13.1
	2003	50,792	9.4	8.3	216,362	6.9	4.3	12.7	93,962	16.1	12.9	134,250	13.1
	2002	49,439	9.5	8.2	216,350	7.0	4.6	12.2	94,065	15.7	12.4	139,155	13.0
	2001	55,685	9.7	8.5	221,698	7.7	4.8	11.8	93,453	15.6	12.3	164,937	13.8
	2000	55,392	8.9	8.6	216,687	7.5	4.8	11.7	90,754	15.5	12.0	160,182	14.6

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the analysis.

(5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

(7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 19C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity and Year		Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2009	32,100	59.2	23,210	20.5	22,201	8.9
	2008	31,845	57.7	22,459	16.7	20,353	12.3
	2007	31,633	56.4	23,935	15.7	20,596	12.5
	2006	31,248	55.1	22,705	16.3	19,128	13.6
	2005	21,842	55.2	21,948	15.9	20,000	12.9
	2004	32,949	52.6	25,703	15.1	20,587	12.3
	2003	31,430	51.8	24,353	15.4	19,700	12.3
	2002	31,081	50.6	24,869	14.4	20,076	11.3
	2001	33,432	49.6	25,549	13.4	20,071	10.3
	2000	32,861	48.5	24,714	13.4	19,224	9.8
Black, Not Hispanic	2009	17,117	39.0	12,038	12.2	10,598	4.5
	2008	16,573	39.2	10,408	10.7	9,702	8.9
	2007	16,320	37.8	10,914	11.3	9,875	9.6
	2006	16,154	38.0	10,751	11.4	9,481	8.8
	2005	11,468	37.7	10,478	10.5	9,689	9.0
	2004	15,957	35.5	12,274	10.2	10,169	7.8
	2003	15,590	34.3	12,098	9.8	9,830	8.2
	2002	15,315	33.5	12,091	9.2	10,272	7.4
	2001	18,637	32.0	13,005	7.7	10,377	6.3
	2000	18,897	29.8	12,971	8.5	10,433	6.6

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 19C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity and Year		Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Hispanic	2009	7,787	61.0	5,813	24.4	5,817	9.9
	2008	7,319	60.8	4,941	22.9	5,008	16.7
	2007	7,329	61.9	5,552	21.8	5,363	17.3
	2006	7,220	62.9	5,450	22.6	5,168	17.8
	2005	5,147	65.1	4,557	22.4	4,472	17.4
	2004	5,778	61.7	4,523	22.2	4,323	18.3
	2003	5,709	63.4	4,142	22.8	3,775	18.1
	2002	5,002	61.3	4,013	21.2	3,945	15.9
	2001	5,834	61.9	4,420	19.3	3,963	14.2
	2000	5,834	56.4	3,908	18.6	3,258	13.5
American Indian/Alaska Native	2009	178	53.9	107	14.0	85	*
	2008	135	48.1	126	15.9	132	12.1
	2007	198	60.6	114	11.4	112	9.8
	2006	166	51.8	128	16.4	120	5.8
	2005	168	60.1	199	18.1	196	14.8
	2004	405	53.3	258	16.3	261	11.1
	2003	359	46.8	272	18.0	237	12.7
	2002	329	52.9	248	12.5	224	10.7
	2001	340	45.0	239	13.4	213	12.7
	2000	333	54.7	235	13.6	234	9.4

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 19C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity and Year		Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
Asian/Pacific Islander	2009	902	61.8	642	29.3	638	15.0
	2008	870	63.3	580	31.4	499	29.3
	2007	841	59.8	617	28.4	556	25.9
	2006	897	60.3	686	29.9	604	23.8
	2005	693	56.9	641	31.4	594	21.5
	2004	872	56.8	701	24.5	611	20.8
	2003	865	56.4	680	28.1	498	16.9
	2002	706	53.0	558	20.8	458	16.2
	2001	683	49.3	528	16.3	408	11.0
	2000	654	48.3	452	17.3	375	13.9
Multiple Races	2009	3,907	52.3	3,030	14.7	3,007	6.3
	2008	3,337	48.0	2,276	11.6	2,082	7.9
	2007	3,005	51.7	2,344	11.3	2,091	8.6
	2006	2,990	50.1	2,167	12.0	1,797	9.2
	2005	1,496	50.5	956	12.1	779	8.5
	2004	0	*	0	*	0	*
	2003	0	*	0	*	0	*
	2002	0	*	0	*	0	*
	2001	0	*	0	*	0	*
	2000	0	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 19C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Breastfeeding Indicators by Race/Ethnicity
Children Aged < 5 Years (2)

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Summary of Trends in Breastfeeding Indicators by Race/Ethnicity ⁽³⁾							
Race/Ethnicity and Year		Breastfeeding ⁽⁴⁾					
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
All Other/Unknown	2009	47	*	39	*	1	*
	2008	1	*	2	*	0	*
	2007	0	*	0	*	0	*
	2006	1	*	3	*	5	*
	2005	16,477	49.6	3,759	16.9	848	3.9
	2004	0	*	0	*	0	*
	2003	0	*	0	*	0	*
	2002	0	*	0	*	0	*
	2001	1	*	2	*	1	*
	2000	0	*	0	*	0	*
Total All Race/Ethnic Groups	2009	62,038	53.5	44,879	18.5	42,347	7.8
	2008	60,080	52.5	40,792	15.8	37,776	12.0
	2007	59,326	51.8	43,476	15.3	38,593	12.4
	2006	58,676	51.2	41,890	15.8	36,303	12.9
	2005	57,291	50.9	42,538	15.5	36,578	12.2
	2004	55,961	48.7	43,459	14.6	35,951	11.9
	2003	53,953	48.0	41,545	14.7	34,040	11.8
	2002	52,433	46.7	41,779	13.6	34,975	10.7
	2001	58,927	45.2	43,743	12.3	35,033	9.6
	2000	58,579	43.3	42,280	12.4	33,524	9.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 20C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

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Summary of Trends in Growth Indicators by Age ⁽³⁾																			
Age and Year *		Height and Weight								Age and Year *		Height and Weight							
		Short Stature (4)		Under- weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)						Short Stature (4)		Under- weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)			
		Number	%	%	%	Number	%	%				Number	%	%	%	Number	%	%	
		<5th	<5th	%	>95th		85th-<95th	%	>95th			<5th	<5th	%	≥ 95th		85th-<95th	%	>95th
0 - 11 Months										24 - 35 Months									
2009	82,831	8.4	5.5	9.7	0	*	*	*	2009	44,221	3.9	2.8	12.3	44,221	16.0	12.3			
2008	84,051	10.5	5.5	10.1	0	*	*	*	2008	40,648	4.7	3.2	12.6	40,648	16.0	12.6			
2007	82,460	10.1	5.4	9.9	0	*	*	*	2007	38,304	4.7	3.3	12.3	38,304	15.8	12.3			
2006	81,510	10.2	5.3	9.9	0	*	*	*	2006	37,595	4.6	3.7	11.9	37,595	15.8	11.9			
2005	79,096	10.1	5.2	10.4	0	*	*	*	2005	36,469	4.2	4.0	11.1	36,469	14.9	11.1			
2004	78,881	10.1	5.0	11.1	0	*	*	*	2004	36,379	4.6	3.7	12.0	36,379	15.4	12.0			
2003	77,207	9.7	5.3	11.0	0	*	*	*	2003	36,372	4.8	3.9	11.8	36,372	15.6	11.8			
2002	76,048	10.2	6.1	10.5	0	*	*	*	2002	36,515	4.6	4.0	11.4	36,515	15.1	11.4			
2001	82,634	11.6	6.5	9.8	0	*	*	*	2001	36,045	4.5	4.1	11.0	36,045	14.9	11.0			
2000	81,685	11.0	6.7	9.6	0	*	*	*	2000	35,142	4.7	4.4	10.8	35,142	14.4	10.8			
12 - 23 Months										36 - 47 Months									
2009	58,078	5.6	2.5	15.5	0	*	*	*	2009	37,612	3.4	3.1	14.2	37,612	16.4	14.2			
2008	52,835	6.4	2.8	15.3	0	*	*	*	2008	34,282	3.9	3.1	14.5	34,282	16.6	14.5			
2007	50,197	6.4	2.9	14.6	0	*	*	*	2007	32,415	4.2	3.5	14.1	32,415	16.6	14.1			
2006	48,375	6.4	3.0	14.7	0	*	*	*	2006	31,368	4.0	3.9	13.8	31,368	16.3	13.8			
2005	47,948	6.1	2.9	14.6	0	*	*	*	2005	31,555	4.3	4.2	13.0	31,555	15.5	13.0			
2004	46,860	6.4	2.7	16.0	0	*	*	*	2004	32,687	4.4	3.8	13.6	32,687	16.0	13.6			
2003	45,193	6.8	2.9	15.1	0	*	*	*	2003	31,691	4.6	4.3	13.2	31,691	16.4	13.2			
2002	46,237	6.5	3.2	14.6	0	*	*	*	2002	31,111	4.6	4.0	13.1	31,111	15.9	13.1			
2001	45,611	7.0	3.1	14.5	0	*	*	*	2001	31,055	4.7	4.0	12.3	31,055	15.8	12.3			
2000	44,248	6.7	3.1	14.7	0	*	*	*	2000	30,335	4.7	4.0	12.8	30,335	15.8	12.8			

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 20C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Growth Indicators by Age
Children Aged < 5 Years (2)

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Summary of Trends in Growth Indicators by Age ⁽³⁾																								
Age and Year *		Height and Weight								Age and Year *		Height and Weight												
		Short Stature (4)		Under- weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)						Short Stature (4)		Under- weight (5)	Obese (5)	≥ 2 Yrs Overweight (5)								
		Number	%	%	%	Number	%	%				Number	%	%	%	Number	%	%	Number	%	%			
		<5th	<5th	_>95th		85th-<95th	≥95th				<5th	<5th	≥ 95th		85th-<95th	≥ 95th								
48 - 59 Months																								
2009		32,656	3.1	2.7	15.0	32,656	17.5	15.0																
2008		28,593	3.8	2.9	15.1	28,593	17.5	15.1																
2007		27,186	3.8	3.0	15.1	27,186	17.1	15.1																
2006		26,817	4.0	3.7	14.7	26,817	16.6	14.7																
2005		27,203	3.8	4.0	14.3	27,203	16.5	14.3																
2004		26,797	3.9	3.7	14.3	26,797	17.0	14.3																
2003		25,899	4.2	3.9	14.2	25,899	16.7	14.2																
2002		26,439	4.6	4.0	13.1	26,439	16.2	13.1																
2001		26,353	4.6	3.7	13.9	26,353	16.3	13.9																
2000		25,277	4.5	3.8	12.8	25,277	16.5	12.8																
Total All Age Groups																								
2009		255,398	5.6	3.6	12.8	114,489	16.6	13.7																
2008		240,409	6.9	3.8	12.9	103,523	16.6	13.9																
2007		230,562	6.8	4.0	12.5	97,905	16.4	13.7																
2006		225,665	6.8	4.1	12.4	95,780	16.2	13.3																
2005		222,271	6.7	4.2	12.3	95,227	15.6	12.7																
2004		221,604	6.8	4.0	13.0	95,863	16.1	13.2																
2003		216,362	6.9	4.3	12.7	93,962	16.1	12.9																
2002		216,350	7.0	4.6	12.2	94,065	15.7	12.4																
2001		221,698	7.7	4.8	11.8	93,453	15.6	12.3																
2000		216,687	7.5	4.8	11.7	90,754	15.5	12.0																

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

(5) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and ≥ 95th percentile category identifies obese children.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 21C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Anemia by Age
Children Aged < 5 Years (2)

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Summary of Trends in Anemia by Age (3)						
Age and Year		Anemia Low Hb/Hct (4)				
		Number	%			
6 - 11 Months				18 - 23 Months		
	2009	9,254	17.6		2009	25,727 15.0
	2008	6,826	20.3		2008	21,872 16.0
	2007	7,066	18.2		2007	20,581 15.2
	2006	7,421	15.6		2006	19,732 13.0
	2005	7,508	16.7		2005	20,105 14.7
	2004	6,915	16.3		2004	19,903 13.3
	2003	7,718	16.6		2003	19,678 13.6
	2002	13,917	14.3		2002	20,855 13.5
	2001	37,241	16.4		2001	21,288 14.3
	2000	36,024	18.1		2000	20,425 14.9
12 - 17 Months				24 - 35 Months		
	2009	37,476	18.0		2009	37,290 16.5
	2008	34,254	18.3		2008	31,871 16.9
	2007	33,931	17.6		2007	31,026 15.9
	2006	32,334	14.9		2006	30,393 14.2
	2005	32,429	16.0		2005	30,215 15.3
	2004	32,249	15.3		2004	30,100 14.3
	2003	30,495	15.1		2003	30,750 14.5
	2002	28,353	15.1		2002	28,354 15.1
	2001	24,695	15.7		2001	32,230 14.5
	2000	24,359	16.4		2000	31,739 15.2

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.



Table 21C
2009 Pediatric Nutrition Surveillance (1)
Michigan
Summary of Trends in Anemia by Age
Children Aged < 5 Years (2)

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Summary of Trends in Anemia by Age (3)								
Age and Year		Anemia Low Hb/Hct (4)			Age and Year		Anemia Low Hb/Hct (4)	
		Number	%		Number	%		
36 - 59 Months					Total All Age Groups			
	2009	57,140	11.6			2009	166,887	15.0
	2008	48,231	12.4			2008	143,054	15.7
	2007	46,700	10.9			2007	139,304	14.6
	2006	45,288	10.0			2006	135,168	12.9
	2005	46,279	10.9			2005	136,536	14.0
	2004	47,537	10.2			2004	136,704	13.1
	2003	45,609	10.2			2003	134,250	13.1
	2002	47,676	10.0			2002	139,155	13.0
	2001	49,483	10.2			2001	164,937	13.8
	2000	47,635	10.4			2000	160,182	14.6
All Other/Unknown								
	2009	0	*					
	2008	0	*					
	2007	0	*					
	2006	0	*					
	2005	0	*					
	2004	0	*					
	2003	0	*					
	2002	0	*					
	2001	0	*					
	2000	0	*					

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

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